WHAT IS CLAIMED IS:

1. A printhead for delivering solvent free materials to a receiver comprising:

a first discharge device having an inlet and an outlet, a portion of the first discharge device defining a first delivery path, a portion of the first discharge device being adapted to be connected to a pressurized source of a thermodynamically stable mixture of a fluid and a first marking material at the inlet, the first discharge device being configured to produce a shaped beam of the first marking material, the fluid being in a gaseous state at a location beyond the outlet of the first discharge device;

a first actuating mechanism positioned along the first delivery path, the first actuating mechanism having a first position removed from the first delivery path and a second position in the first delivery path; and

a second discharge device having an inlet and an outlet, a portion of the second discharge device defining a second delivery path, a portion of the second discharge device being adapted to be connected to a pressurized source of a thermodynamically stable mixture of a fluid and a second marking material at the inlet, the second discharge device being configured to produce a diverging beam of the second marking material, the fluid being in a gaseous state at a location beyond the outlet of the second discharge device.

- 2. The printhead according to Claim 1, a second actuating mechanism positioned along the second delivery path, the second actuating mechanism having an open position and a closed position.
- 3. The printhead according to Claim 1, wherein the first discharge device includes a variable area section.
- 4. The printhead according to Claim 3, wherein the first discharge device includes a constant area section.
- 5. The printhead according to Claim 1, wherein the first discharge device includes a first variable area section connected to one end of a first constant

area section, and a second variable area section connected to another end of the first constant area section.

- 6. The printhead according to Claim 1, wherein the first actuating mechanism includes a solenoid actuating mechanism.
- 7. The printhead according to Claim 6, wherein the solenoid actuating mechanism is actuatable at a plurality of frequencies.
- 8. The printhead according to Claim 1, wherein in the first marking material is an ink.
- 9. The printhead according to Claim 8, wherein in the first marking material includes a dye.
- 10. The printhead according to Claim 8, wherein the first marking material includes a pigment.
- 11. The printhead according to Claim 1, where in the second marking material is an overcoat material.
- 12. The printhead according to Claim 11, wherein the second marking material is an organic material.
- 13. The printhead according to Claim 11, wherein the second marking material is an inorganic material.
- 14. The printhead according to Claim 1, wherein the second marking material is a precoat material.
- 15. A method of printing comprising:

 providing a pressurized source of a thermodynamically stable mixture
 of a solvent and a marking material;

providing a discharge device having an inlet and an outlet, a portion of the discharge device defining a delivery path, a portion of the discharge device being adapted to be connected to a pressurized source of a thermodynamically stable mixture of a fluid and a marking material at the inlet;

causing the discharge device to produce a first shaped beam of the marking material, the fluid being in a gaseous state at a location beyond the outlet of the discharge device; and

causing the discharge device to produce a second shaped beam of the marking material, the fluid being in a gaseous state at a location beyond the outlet of the discharge device.

- 16. The method according to Claim 15, further comprising:
 providing a receiver positioned at a first predetermined distance from
 the outlet of the discharge device.
- 17. The method according to Claim 16, wherein causing the discharge device to produce a shaped beam of the marking material includes delivering the marking material to the receiver positioned at the first predetermined distance to create a printed area on the receiver having a first size.
- 18. The method according to Claim 16, further comprising:
 moving the receiver to a second predetermined distance from the outlet of the discharge device.
- 19. The method according to Claim 18, wherein causing the discharge device to produce a shaped beam of the marking material includes delivering the marking material to the receiver positioned at the second predetermined distance to create a printed area on the receiver having a second size.
- 20. The method according to Claim 15, wherein causing the discharge device to produce a first shaped beam of the marking material includes delivering the marking material at a first mass flow rate.

- 21. The method according to Claim 20, wherein causing the discharge device to produce a second shaped beam of the marking material includes delivering the marking material at a second mass flow rate.
- 22. The method according to Claim 21, wherein the second mass flow rate is greater than the first mass flow rate.
- 23. The method according to Claim 15, wherein causing the discharge device to produce a second shaped beam of the marking material includes delivering the marking material at a second mass flow rate.
- 24. The method according to Claim 15, wherein the first shaped beam is a collimated beam.
- 25. The method according to Claim 15, wherein the first shaped beam is a focused beam.
- 26. The method according to Claim 15, wherein the second shaped beam is a diverging beam.
- 27. The method according to Claim 15, wherein causing the discharge device to produce a first shaped beam of the marking material includes providing a first discharge device configured to produce the first shaped beam of the first marking material.
- 28. The method according to Claim 27, wherein causing the discharge device to produce a second shaped beam of the marking material includes providing a second discharge device configured to produce the second shaped beam of the second marking material.
 - 29. A printing apparatus comprising:
- a pressurized source of a thermodynamically stable mixture of a fluid and a marking material;

a printhead, portions of the printhead defining a delivery path, the delivery path of the printhead being connected to the pressurized source, the printhead including a discharge device, the discharge device having an outlet, a portion of the discharge device being positioned along the delivery path, the discharge device being shaped to produce a shaped beam of the marking material, the fluid being in a gaseous state at a location beyond the outlet of the discharge device;

an actuating mechanism positioned along the delivery path, the actuating mechanism having an open position at least partially removed from the delivery path; and

a receiver retaining device moveably positioned a predetermined distance from the outlet of the discharge device.

30. The printing apparatus according to Claim 29, portions of the printhead defining a second delivery path, wherein a second discharge device is positioned along the delivery path, the second discharge device being shaped to produce a second shaped beam of a marking material.